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*December 2, 2008*

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reexamination of:	)	
	)	
U.S. Patent No. 6,287,613 B1	)	Group Art Unit: 3991
	)	
Issue Date: September 11, 2001	)	Examiner: Jerry D. Johnson
	)	
Reexam Control No.: 90/006,430	)	Confirmation No. 9824
	)	
Inventors: Childress et al.	)	Docket No. D-41933-01 REX
	)	
Issued on Application No.: 08/354,177	)	
	)	
Filed: Dec. 12, 1994	)	
	)	
Reexam filing date: October 30, 2002	)	
	)	
For: PATCH BAG COMPRISING	)	
HOMOGENEOUS	)	
ETHYLENE/ALPHA-OLEFIN	)	
COPOLYMER	)	

**Attention: Mail Stop Appeal Brief-Patents**  
Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**Response to Notice of Non-Compliant Appeal Brief**

This paper is filed in response to the Notice of Non-Compliant Appeal Brief (37 CFR  
41.37) in Ex Parte Reexamination mailed 6 November 2008, the inextendable one month

period for response to which is set to expire on 6 December 2008. As such, this paper is being filed on or before 6 December 2008.

### REMARKS

The undersigned appreciates the Examiner's assistance as provided in the telephone conversation of 1 December 2008. During that telephone conversation, the Examiner affirmed the requirement that the claim numbers be provided in the various paragraphs of the Summary of the Claimed Subject Matter, as well as the requirement of 37 CFR 1.530(f)(1) to provide the Index of Claims with underlining of matter added by the reexamination and enclosing in brackets matter omitted by the reexamination. Accordingly, provided herewith are replacement sections "V. Summary of the Claimed Subject Matter" and "IX. Index of Claims".

The accompanying replacement section entitled "V. Summary of the Claimed Subject Matter", corrects the Appeal Brief by changing "As a first aspect..." to ---Claim 11 is directed to...---. This change is made in a corresponding manner for each of the twelve independent claims on appeal, i.e., for each of independent Claims 11, 40, 42, 44, 46, 54, 55, 60, 64, 77, 80, and 81.

The accompanying replacement section entitled "IX. Index of Claims" is corrected by providing the index of claims in a manner in which all matter added by the reexamination proceeding is shown underlined, and all matter omitted by the reexamination proceeding is enclosed in brackets.

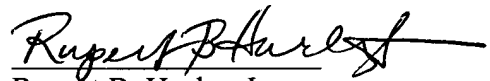
Finally, based on a recommendation from the Examiner, this paper is being filed as a Response to Non-Compliant Brief, and includes mere replacement sections for the Brief filed 14 August 2008, as opposed to a corrected brief which includes the entire brief with

corrections. As the Examiner pointed out, MPEP 1205.03(B) states that if a brief is defective solely due to Appellants' failure to provide a summary as claimed, that an entire new brief need not, and should not, be filed, but rather that a paper providing a summary of the claimed subject matter as required by 37 CFR 41.37(c)(1)(v) will suffice. Moreover, Appellants note that MPEP 1205.03(C) characterizes omission of a copy of the claims on appeal as a "minor non-compliance" for which the examiner may provide a copy of the claims in the examiner's answer, or object to the appeal brief and require an amended brief. Thus, accompanying replacement sections "V. Summary of the Claimed Subject Matter" and "IX. Index of Claims" are believed to be adequate for response to the Notice of Non-Compliant Brief.

Each of the accompanying replacement sections "V. Summary of the Claimed Subject Matter" and "IX. Index of Claims" begins on a new page. Appellants respectfully request entry of this Response to Non-Compliant Brief, and entry of the accompanying replacement sections "V. Summary of the Claimed Subject Matter" and "IX. Index of Claims" for the Appeal Brief filed 14 August 2008.

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Attachments: Replacement Section: V. Summary of Claimed Subject Matter (pp. 4-10)  
Replacement Section: IX. Index of Claims (pp. 11-17)

Replacement Section**V. SUMMARY OF CLAIMED SUBJECT MATTER**

The fifteen claims on appeal include a total of 12 independent claims (i.e., Claims 11, 40, 42, 44, 46, 54, 55, 60, 64, 77, 80 and 81), each of which is summarized below in accordance with 37 CFR 41.37 (c)(1)(v).

Claim 11 is directed to a heat-shrinkable patch bag (e.g., Fig. 1, reference character “20”) comprising a heat-shrinkable patch (e.g., Fig. 1, reference character “24”) adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character “22”). [Col. 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film that is a monolayer film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col. 2 lines 56-58; Col. 11 lines 42-43] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col. 2 lines 58-60; Col. 7 lines 50-52] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67]

Claim 40 is directed to a patch bag (e.g., Fig. 1, reference character “20”) comprising a heat-shrinkable patch (e.g., Fig. 1, reference character “24”) adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character “22”). [Col. 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film that is a monolayer film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col. 2 lines 56-58; Col. 11 lines 42-43] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col. 2 lines 58-60; Col. 7 lines 50-52] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67] The first heat-shrinkable film comprises linear homogeneous

ethylene/alpha-olefin copolymer in an amount of from about 15 to 85 weight percent. [Col 9 lines 44-51; Col. 3 lines 6-10]

Claim 42 is directed to a patch bag (e.g., Fig. 1, reference character "20") comprising a heat-shrinkable patch (e.g., Fig. 1, reference character "24") adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character "22"). [Col. 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col. 2 lines 56-58] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col. 2 lines 58-60; Col. 7 lines 50-52] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67] The first heat-shrinkable film comprises linear homogeneous ethylene/alpha-olefin copolymer in an amount of from about 15 to 85 weight percent. [Col 9 lines 44-51; Col. 3 lines 6-10] The first heat-shrinkable film further comprises heterogeneous ethylene/alpha-olefin copolymer. [Col 10 lines 14-17]

Claim 44 is directed to a patch bag (e.g., Fig. 1, reference character "20") comprising a heat-shrinkable patch (e.g., Fig. 1, reference character "24") adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character "22"). [Col. 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col. 2 lines 56-58] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col. 2 lines 58-60; Col. 7 lines 50-52] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67] The first heat-shrinkable film comprises linear homogeneous ethylene/alpha-olefin copolymer in an amount

of from about 15 to 85 weight percent. [Col 9 lines 44-51; Col 3 lines 6-10] The first heat-shrinkable film has a thickness of from about 3 to 6 mils. [Col. 11 lines 40-45]

Claim 46 is directed to a patch bag (e.g., Fig. 1, reference character "20") comprising a heat-shrinkable patch (e.g., Fig. 1, reference character "24") adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character "22"). [Col. 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col. 2 lines 56-58] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col. 2 lines 58-60; Col. 7 lines 50-52] The first heat-shrinkable film is a monolayer film. [Col. 11 lines 42-43] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67] The first heat-shrinkable film comprises long chain branched homogeneous ethylene/alpha-olefin copolymer in an amount of from about 5 to 100 weight percent. [Col 9 line 44 through Col 10 line 7; Col 3 lines 6-10]

Claim 54 is directed to a patch bag (e.g., Fig. 1, reference character "20") comprising a heat-shrinkable patch (e.g., Fig. 1, reference character "24") adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character "22"). [Col 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col 2 lines 56-58] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col 2 lines 58-60; Col 7 lines 50-52] The first heat-shrinkable film further comprises ionomer. [Col 3 lines 31-36] and the homogeneous ethylene/alpha-olefin copolymer comprises linear homogeneous ethylene/alpha-olefin copolymer. [Col 9 lines 44-51]

Claim 55 is directed to a patch bag (e.g., Fig. 1, reference character “20”) comprising a heat-shrinkable patch (e.g., Fig. 1, reference character “24”) adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character “22”). [Col 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col 2 lines 56-58] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col 2 lines 58-60; Col 7 lines 50-52] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67] The first heat-shrinkable film further comprises ionomer. [Col 3 lines 31-36] and the homogeneous ethylene/alpha-olefin copolymer comprises homogeneous ethylene/alpha-olefin copolymer having long chain branching. [Col 9 line 44 through Col 10 line 7]

Claim 60 is directed to a patch bag (e.g., Fig. 1, reference character “20”) comprising a heat-shrinkable patch (e.g., Fig. 1, reference character “24”) adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character “22”). [Col 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col 2 lines 56-58] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col 2 lines 58-60; Col 7 lines 50-52] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67] The first heat-shrinkable film further comprises heterogeneous ethylene/alpha-olefin copolymer. [Col 10 lines 14-17] The first heat-shrinkable film further comprises a first layer comprising the linear homogeneous ethylene/alpha-olefin copolymer and a second layer comprising the

heterogeneous ethylene/alpha-olefin copolymer. [Col 11 lines 40-43; Col 9 lines 44-51; Col 10 lines 14-17]

Claim 64 is directed to a patch bag (e.g., Fig. 1, reference character "20") comprising a heat-shrinkable patch (e.g., Fig. 1, reference character "24") adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character "22"). [Col 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col 2 lines 56-58] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col 2 lines 58-60; Col 7 lines 50-52] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67] The homogeneous ethylene/alpha-olefin copolymer comprises long chain branched homogeneous ethylene/alpha-olefin copolymer. [Col 9 line 44 through Col 10 line 7], and the first heat-shrinkable film is a monolayer film. [Col 11 lines 42-45]

Claim 77 is directed to a patch bag (e.g., Fig. 1, reference character "20") comprising a heat-shrinkable patch (e.g., Fig. 1, reference character "24") adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character "22"). [Col 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col 2 lines 56-58] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col 2 lines 58-60; Col 7 lines 50-52] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67] The homogeneous ethylene/alpha-olefin copolymer comprises linear homogeneous ethylene/alpha-olefin copolymer and the linear homogeneous ethylene/alpha-olefin copolymer is a reaction product



of a polymerization using a metallocene catalyst. [Col 9 lines 44-51] The first heat-shrinkable film further comprises heterogeneous ethylene/alpha-olefin copolymer, and the first heat-shrinkable film comprises a blend of the linear homogeneous ethylene/alpha-olefin copolymer and the heterogeneous ethylene/alpha-olefin copolymer. [Col 9 lines 44-51; Col 10 lines 14-17]

Claim 80 is directed to a patch bag (e.g., Fig. 1, reference character "20") comprising a heat-shrinkable patch (e.g., Fig. 1, reference character "24") adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character "22"). [Col 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col 2 lines 56-58] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5. [Col 2 lines 58-60; Col 7 lines 50-52] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67] The homogeneous ethylene/alpha-olefin copolymer comprises linear homogeneous ethylene/alpha-olefin copolymer and the linear homogeneous ethylene/alpha-olefin copolymer is a reaction product of a polymerization using a metallocene catalyst. [Col 9 lines 44-51] The first heat-shrinkable film further comprises heterogeneous ethylene/alpha-olefin copolymer. [Col 10 lines 14-17] The first heat-shrinkable film is formed by a cast extrusion process. [Col 19 lines 30-46]

Claim 81 is directed to a patch bag (e.g., Fig. 1, reference character "20") comprising a heat-shrinkable patch (e.g., Fig. 1, reference character "24") adhered to a heat-shrinkable bag (e.g., Fig. 1, reference character "22"). [Col 2 lines 54-56; Fig. 1] The heat-shrinkable patch comprises a first heat-shrinkable film and the heat-shrinkable bag comprises a second heat-shrinkable film. [Col 2 lines 56-58] The first heat-shrinkable film comprises homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about

1.9 to 2.5. [Col 2 lines 58-60; Col 7 lines 50-52] The first heat-shrinkable film has a free shrink, at 185°F, of from about 10 to 100 percent. [Col 2 lines 65-67] The homogeneous ethylene/alpha-olefin copolymer comprises linear homogeneous ethylene/alpha-olefin copolymer and the linear homogeneous ethylene/alpha-olefin copolymer is a reaction product of a polymerization using a metallocene catalyst. [Col 9 lines 44-51] The first heat-shrinkable film is a monolayer film. [Col 11 lines 42-43] The first heat-shrinkable film further comprises a heterogeneous ethylene/alpha-olefin copolymer. [Col 10 lines 14-17]

Replacement Section

IX. Index of Claims

Claim 11: [The heat-shrinkable patch bag according to Claim 1,] A heat-shrinkable patch bag comprising a heat-shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable film, the first heat-shrinkable film comprising homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, with the first heat-shrinkable film having free shrink, at 185°F, of from about 10 to 100 percent, wherein the first heat-shrinkable film is a monolayer film.

Claim 40: [The patch bag according to claim 39, wherein] A patch bag comprising a heat-shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable film, the first heat-shrinkable film comprising homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, with the first heat-shrinkable film having free shrink, at 185°F, of from about 10 to 100 percent, wherein the first heat-shrinkable film comprises linear homogeneous ethylene/alpha-olefin copolymer in an amount of from about 15 to 85 weight percent, and said first heat-shrinkable film is a monolayer film.

Claim 42: [The patch bag according to claim 39, wherein] A patch bag comprising a heat-shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a

first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable film, the first heat-shrinkable film comprising homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, with the first heat-shrinkable film having free shrink, at 185°F, of from about 10 to 100 percent, wherein the first heat-shrinkable film comprises linear homogeneous ethylene/alpha-olefin copolymer in an amount of from about 15 to 85 weight percent, and the first heat-shrinkable film further comprises heterogeneous ethylene/alpha-olefin copolymer.

Claim 44: [The patch bag according to claim 43, wherein] A patch bag comprising a heat-shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable film, the first heat-shrinkable film comprising homogeneous ethylene/ alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, with the first heat-shrinkable film having free shrink, at 185°F, of from about 10 to 100 percent, wherein the first heat-shrinkable film comprises linear homogeneous ethylene/alpha-olefin copolymer in an amount of from about 15 to 85 weight percent, and the first heat-shrinkable film has a thickness of from about 3 to 6 mils.

Claim 46: [The patch bag according to claim 45, wherein] A patch bag comprising a heat-shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable film, the first heat-shrinkable film comprising homogeneous ethylene/ alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, with the

first heat-shrinkable film having free shrink, at 185°F, of from about 10 to 100 percent,  
wherein the homogeneous ethylene/alpha-olefin copolymer comprises long chain branched  
homogeneous ethylene/alpha-olefin copolymer, and the first heat-shrinkable film comprises  
long chain branched homogeneous ethylene/alpha-olefin copolymer in an amount of from  
about 5 to 100 percent, based on the weight of the first heat-shrinkable film, and said first  
 heat-shrinkable film is a monolayer film.

Claim 54: [The patch bag according to claim 52, wherein] A patch bag comprising a heat-  
shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a  
first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable  
film, the first heat-shrinkable film comprising homogeneous ethylene/ alpha-olefin  
copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, wherein  
the first heat-shrinkable film has a free shrink, at 185°F of from about 10 to 100 percent,  
and the first heat-shrinkable film further comprises ionomer and the homogeneous  
 ethylene/alpha-olefin copolymer comprises linear homogeneous ethylene/alpha-olefin  
 copolymer.

Claim 55: [The patch bag according to claim 52, wherein] A patch bag comprising a heat-  
shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a  
first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable  
film, the first heat-shrinkable film comprising homogeneous ethylene/alpha-olefin  
copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, wherein  
the first heat-shrinkable film has a free shrink, at 185°F of from about 10 to 100 percent,

wherein the first heat-shrinkable film further comprises ionomer and the homogeneous ethylene/alpha-olefin copolymer comprises homogeneous ethylene/alpha-olefin copolymer having long chain branching.

Claim 56: The patch bag according to claim 54, wherein the first heat shrinkable film is a monolayer film.

Claim 57: The patch bag according to claim 55, wherein the first heat shrinkable film is a monolayer film.

Claim 60: [The patch bag according to claim 58, wherein] A patch bag comprising a heat-shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable film, the first heat-shrinkable film comprising homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, wherein the first heat-shrinkable film has a free shrink, at 185°F of from about 10 to 100 percent, wherein the first heat-shrinkable film further comprise heterogeneous ethylene/alpha-olefin copolymer, and the first heat-shrinkable film comprises a first layer comprising the linear homogeneous ethylene/alpha-olefin copolymer and a second layer comprising the heterogeneous ethylene/alpha-olefin copolymer.

Claim 64: [The patch bag according to claim 6, wherein] A patch bag comprising a heat-shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a

first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable film, the first heat-shrinkable film comprising homogeneous ethylene/ alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, wherein the first heat-shrinkable film has a free shrink, at 185°F of from about 10 to 100 percent, wherein the homogeneous ethylene/alpha-olefin copolymer comprises long chain branched homogeneous ethylene/alpha-olefin copolymer, and the first heat-shrinkable film is a monolayer film.

Claim 77: [The patch bag according to claim 76, wherein] A patch bag comprising a heat-shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable film, the first heat-shrinkable film comprising homogeneous ethylene/alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, wherein the first heat-shrinkable film has a free shrink, at 185°F of from about 10 to 100 percent, wherein the homogeneous ethylene/alpha-olefin copolymer comprises linear homogeneous ethylene/alpha-olefin copolymer and the linear homogeneous ethylene/alpha-olefin copolymer is a reaction product of a polymerization using a metallocene catalyst, and the first heat-shrinkable film further comprises heterogeneous ethylene/alpha-olefin copolymer, and the first heat-shrinkable film comprises a blend of the linear homogeneous ethylene/alpha-olefin copolymer and the heterogeneous ethylene/alpha-olefin copolymer.

Claim 80: [The patch bag according to claim 76, wherein] A patch bag comprising a heat-shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a

first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable film, the first heat-shrinkable film comprising homogeneous ethylene/ alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, wherein the first heat-shrinkable film has a free shrink, at 185°F of from about 10 to 100 percent, wherein the homogeneous ethylene/alpha-olefin copolymer comprises linear homogeneous ethylene/alpha-olefin copolymer and the linear homogeneous ethylene/alpha-olefin copolymer is a reaction product of a polymerization using a metallocene catalyst, and the first heat-shrinkable film further comprises heterogeneous ethylene/alpha-olefin copolymer, and the first heat-shrinkable film is formed by a cast extrusion process.

Claim 81: [The patch bag according to claim 74, wherein] A patch bag comprising a heat-shrinkable patch adhered to a heat-shrinkable bag, the heat-shrinkable patch comprising a first heat-shrinkable film and the heat-shrinkable bag comprising a second heat-shrinkable film, the first heat-shrinkable film comprising homogeneous ethylene/ alpha-olefin copolymer having a molecular weight distribution  $M_w/M_n$  of from about 1.9 to 2.5, wherein the first heat-shrinkable film has a free shrink, at 185°F of from about 10 to 100 percent, wherein the homogeneous ethylene/alpha-olefin copolymer comprises linear homogeneous ethylene/alpha-olefin copolymer and the linear homogeneous ethylene/alpha-olefin copolymer is a reaction product of a polymerization using a metallocene catalyst, and the first heat-shrinkable film is a monolayer film, and the first heat-shrinkable film further comprises a heterogeneous ethylene/alpha-olefin copolymer.



Claim 82: The patch bag according to Claim 81 wherein the first heat shrinkable film is formed by a cast extrusion process.